

FORM PTO-1449 (REV 7-80)				Atty. Docket No. 99024CIPDIV2 (3600-234-03)		Application No. Unassigned <i>10/170,895</i>	
INFORMATION DISCLOSURE STATEMENT				APPLICANT: Habecker et al.			
				Filing Date: February 3, 2004		Group Art Unit: Unassigned <i>1742</i>	
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE, IF APPROPRIATE
<i>n.m.</i>		2002/0134196 A1	9/26/02	Naito	75	245	
		2002/0124687 A1	9/12/02	Habecker et al.	75	230	
		2002/0104404 A1	8/8/02	Naito	75	245	
		2003/0089197 A1	<i>5/03</i>	<i>Wada</i>	<i>75</i>	<i>255</i>	
		2002/0064476 A1	5/30/02	Omori et al.	419	61	
		2003/0026061 A1	2/6/03	Naito	361	311	
		6,115,235	9/5/00	Naito	361	303	
		6,136,062	10/24/00	Loffelholz et al.	75	369	
		6,215,652 B1	4/10/01	Yoshida et al.	361	524	
		6,347,032 B2	2/12/02	Naito	361	303	
		6,375,704 B1	4/23/02	Habecker et al.	75	229	
		6,387,150 B1	5/14/02	Naito	75	245	
		6,402,066 B1	6/11/02	Habecker et al.	241	21	
		6,423,110 B1	7/23/02	Naito et al.	75	232	
		6,452,777 B1	9/17/02	Naito	361	303	
		6,540,810 B2	4/1/03	Naito et al.	75	255	
		6,558,447 B1	5/6/03	Shekhter et al.	75	252	
		3,295,951	01/1967	Fincham et al.	420	427	
		4,787,561	11/1988	Kemp et al.	241	30	
<i>n.m.</i>		5,328,501	07/1994	McCormick et al	75	352	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER <i>N. Golan M.A.</i>				DATE CONSIDERED <i>9/13/05</i>			
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Atty. Docket No.: 99024CIPDIV2 (3600-234-03)		Application No.:		To Be Assigned 10/770, 895		
Applicant: HABECKER et al.						
Filing Date: February 3, 2004		Group Art Unit:		To Be Assigned 1742		
U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
N.M.	1,415,516	9/1922	Bridge	75	614	
	2,242,759	05/1941	Schlect et al.	75	395	
	3,418,106	12/24/68	Piettet	75	.5 BB	
	3,496,076	02/17/70	Cheseldine	204	56	
	3,630,718	12/28/71	Neuenschwander	75	0.5	
	3,635,693	01/18/72	Friedrich et al.	75	0.5BB	
	3,647,420	03/07/72	Restelli	75	84	
	3,709,439	01/09/73	Tundermann et al.	241	15	
	3,926,567	12/16/75	Fletcher et al.	29	182.5	
	4,009,007	2/22/77	Fry	29	182.5	
	4,017,302	04/12/77	Bates et al.	75.5 BB	75/228	
	4,084,965	04/18/78	Fry	75	230	
	4,141,720	02/27/79	Vartanian	75	0.5BB	
	4,149,876	1/17/79	Rerat	75	0.5	
	4,231,790	11/04/80	Hähn et al.	75	0.5BB	
	4,347,084	08/31/82	Hähn et al.	75	245	
	4,356,028	10/26/82	Bates	75	0.5	
	4,406,699	9/1983	Beck et al.	75	233	
	4,441,927	4/10/84	Getz et al.	75	229	
	4,483,819	11/20/84	Albrecht et al.	419	2	
	4,512,805	04/23/85	Albrecht et al.	75	244	
	4,537,633	08/27/85	Hong	106	96	
N.M.	4,537,641	08/27/85	Albrecht et al.	148	11.5	

n.u.	4,544,403	10/1/85	Schiele et al.	75	0.5	
	4,548,672	10/22/85	Albrecht et al.	156	646	
	4,555,268	11/26/85	Getz	75	229	
	4,569,693	02/11/86	Albrecht et al.	75	252	
	4,684,399	08/04/87	Bergman et al.	75	0.5BB	
	4,722,756	02/02/88	Hard	148	126	
	4,740,238	04/26/88	Schiele	75	0.5BB	
	4,748,737	06/1988	Charles et al.	29	599	
	4,940,490	07/10/90	Fife et al.	75	229	
	4,954,169	09/04/90	Behrens	75	228	
	5,211,741	05/18/93	Fife	7	255	
	5,234,491	08/10/93	Chang	75	622	
	5,242,481	09/07/93	Kumar	75	364	
	5,245,514	09/14/93	Fife et al.	361	529	
	5,261,942	11/16/93	Fife et al.	75	342	
	5,284,531	02/08/94	Fife	148	513	
	5,412,533	05/02/95	Murayama et al.	361	528	
	5,448,447A	9/5/95	Chang	361	529	
	5,580,367	12/3/96	Fife	75	255	
	5,837,030	11/17/98	Schulz et al.	75	352	
	6,007,597	12/1999	Puopolo et al.	75	10.14	
n.u.	6,051,044	04/18/00	Fife	75	229	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
n.u.	CN 1079333A	12/08/93	China			
	CN 87 1 07675 A	05/18/88	China			
	JP 58154221 A	09/13/83	Japan			
	JP 01084656	29/03/89	Japan			
	JP 80027601 B	07/22/80	Japan			
n.u.	JP 61 291901 A	12/22/86	Japan			

n.m.	JP 04 160105 A	06/03/92	Japan			Yes (Abstract)
f	1,057,995 A	11/30/83	Russia			
	1,556,420 A3	02/28/94	Russia			
	1,123,015	08/04/65	United Kingdom			
	1 549 702A	8/1/79	United Kingdom			
	WO 98/19811	5/14/98	PCT			
	0 953 847 A1	03/11/99	Europe	G01R	31/26	
n.m.	0 559 229 A1	05/03/93	Europe	C23C	24/04	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

n.m.	Peabody, "Investigation of Columbium as an Electrolytic Capacitor Anode, Part II," <i>U.S. Army Signal Research and Development Laboratory, DK Task Nr. 3A99-15-003-04</i> , pp. 1-11 (No date available)
	Palatnik, "Heat Field Stability and Crystallization Peculiarities of Amorphous Nb ₂ O ₅ Films" <i>Fizika i Khimiya Obrabotki Materialov</i> , 5:87-94 (Feb. 7, 1980)
	Eckert, "Niobium Compounds and Alloys," <i>Int. J. Refractory Metals and Hard Materials</i> , 12:335-340 (1993-1994)
	Bord et al., "Quality of Niobium Oxide Semiconductor Capacitors as a Function of Chemical Composition of the Niobium Powder," No. 1(46):11-15 (1982)
	Schwartz et al., "Niobium Solid Electrolytic Capacitors," <i>J. Electrochemical Society</i> , 108(8):750-757 (1961)
	Al-Kharafi et al., "Phosphoric Acid Passivated Niobium and Tantalum EIS-Comparative Study," <i>Electrochimica Acta</i> , 40(16):2623-2626 (1995)
	Jackson et al., "The Use of Niobium as an Anode Material in Liquid Filled Electrolytic Capacitors," <i>Electrocomponent Science and Technology</i> , 1:27-37 (1974)
	<i>J. Electrochemical Society: Reviews and News</i> , 24(12):408C-409C (December 1977)
	Orlov et al., "Study of Oxygen Solubility in Niobium," <i>Izvestiya Akademii Nauk SSSR. Metall</i> , 5:202-205 (1985)
	Krehl et al., "The Influence of Gas Atmospheres on the First-Stage Sintering of High-Purity Niobium Powders," <i>Metallurgical Transactions A</i> , 15A:1111-1116 (June 1984)
	Mifune et al., "Niobium Solid Electrolytic Capacitors," <i>National Technical Report</i> 9:147 (1963)
	Levinsky et al., "Change in Porous Structure and Leakage Currents of Niobium Capacitor Anodes During Electrolytic Oxidation," <i>Poroshkovaya Metallurgiya</i> , 3:56-59 (1991)
	Patent Abstracts of Japan, vol. 13, no. 312 (E-788). 17 July 19879 & JP 01 084656A, 29 March 1989 (see Abstract)
	Patent Abstracts of Japan, vol. 6. No. 109 (M-137), 19 June 1982 & JP 57 039043A, 4 March 1982 (See Abstract)
	Kuz' micheva, et al., "Superconductivity in lathanide-strontium-niobium-oxide systems" <i>Sh. Neorg. Khim.</i> 38(1), 162-6. (1993)
n.m.	Acrivos, et al., "Dynamic phenomena in superconducting oxides measured by ESR" <i>Phys. Rev. B: Condens. Matter</i> , 50(18), pp. 12710-23. (1994)

n.m.	Acrivos, et al., "Dynamics of flux motion ..." Physica C (Amsterdam) 234-40(Pt. 5), pp. 3159-60. (1994)		
1	International Search Report for International Application PCT/US97/19949 published 5/14/98.		
n.m.	International Search Report for International Application PCT/US00/07051 dated 07/20/2000		
Examiner	n. Goclan Ma	Date Considered	9/13/05
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Page 1 of 1

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Atty. Docket No.: 99024CIPDIV2 (3600-234-03)		Application No.:	10/770,895
Applicant:	HABECKER et al.		
Filing Date:	February 3, 2004	Group Art Unit:	1742

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Country	Class	Sub Class	Translation	
						Yes	No
<i>N.M.</i>	41-35 095 A1	4/29/93	Germany	B22F	9/04		no <i>X</i>
	01176013 A	07/12/89	Japan	B22F	9/04	Abstract	
	61-291901 A	12/22/86	Japan			Abstract	
<i>N.M.</i>	04-160105	10/24/90	Japan			Abstract	

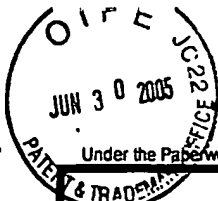
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	<i>Ngoclan Ma</i>	Date Considered	<i>9/13/05</i>
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Form PTO 1449

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/770,895
				Filing Date	February 3, 2004
				First Named Inventor	HABECKER et al.
				Art Unit	1742
				Examiner Name	Ngoclan Thi Mai
				Attorney Docket Number	99024CIPDIV2 (3600-234-03)
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
N.A.		US-3,189,862	02/16/1965	Scheller	
		US-3,849,124	11/19/1974	Villani	
		US-4,084,965	04/18/1978	Fry	
		US-4,164,455	08/14/1979	Aronson et al.	
N.W.		US-4,347,084	08/31/1982	Hahn et al.	
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
N.W.		JP S60-121207		06/28/1985	Tosoh Corporation	Unexamined published Japanese patent application with English translation
Examiner Signature		N. Ngoclan Thi Mai			Date Considered	9/13/05

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